

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

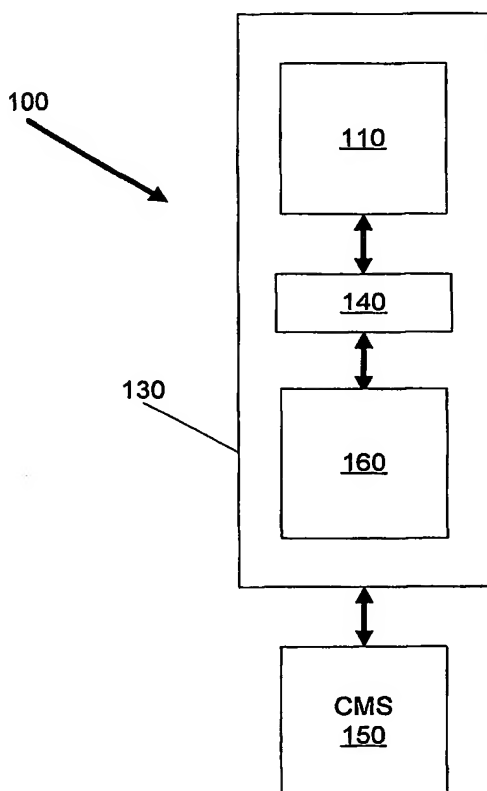
PCT

(10) International Publication Number
WO 2005/031321 A1

- (51) International Patent Classification⁷: **G01N 21/27**,
21/35, G08B 21/18, 25/14, G01J 3/51, 5/60
- (21) International Application Number:
PCT/AU2004/001340
- (22) International Filing Date:
29 September 2004 (29.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2003905315 29 September 2003 (29.09.2003) AU
2004900214 16 January 2004 (16.01.2004) AU
- (71) Applicant (for all designated States except US): **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION [AU/AU]**; Limestone Avenue, CAMPBELL, Australian Capital Territory 2612 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BERNADO, Cirilo [US/AU]**; 58 Kearney Drive, ASPENDALE GARDENS, VICTORIA 3195 (AU). **PRATA, Alfredo Jose [AU/AU]**; 116 Humphries Road, MOUNT ELIZA, VICTORIA 3930 (AU).
- (74) Agent: **GRIFFITH HACK**; 509 St Kilda Road, MELBOURNE, Victoria 3004 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: APPARATUS FOR REMOTE MONITORING OF A FIELD OF VIEW



(57) Abstract: There is disclosed apparatus for remote monitoring of a field of view comprising a monitoring station (150), and remote sensing equipment (130) at a site remote from said monitoring station. The remote sensing equipment (130) comprises an infrared detection apparatus (110) that monitors said field of view for at least two wavelengths of infrared radiation corresponding to an adverse atmospheric condition and produces temperature information based on the monitored infrared radiation, a processor (140) for processing said temperature information to determine whether an alarm condition for said adverse atmospheric condition is met, and communication means (160) for sending data to said monitoring station if said alarm condition is met.



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*